

MSU Weed Science Research Program

VOLUNTEER POTATO CONTROL IN CORN, MONTCALM CO., 2008

Trial ID: C2008  
Conducted: MONTCALM CO.

Study Dir.:  
Investigator: Wesley Everman

<b>Date Planted:</b>		<b>Row Spacing:</b>	IN
<b>Variety:</b>		<b>No. of Reps:</b>	4
<b>Population:</b>		<b>% OM:</b>	1.2
<b>Soil Type:</b>	Loamy Sand	<b>pH:</b>	5.7
<b>Plot Size:</b>	10 X 35 FT	<b>Design:</b>	RANDOMIZED COMPLETE BLOCK

Application Description

A B

<b>Application Timing:</b>	POST
<b>Date Treated:</b>	6/10/08
<b>Time Treated:</b>	10:30am
<b>% Cloud Cover:</b>	25
<b>Air Temp., Unit:</b>	78 F
<b>% Relative Humidity:</b>	30
<b>Wind Speed/Unit/Dir:</b>	0 mph
<b>Soil Temp., Unit:</b>	65 F
<b>Soil/Leaf Surface M:</b>	5 5
<b>Soil Moist (1=w 5=d):</b>	5

Application Equipment

Appl	Sprayer	Speed	Nozzle	Nozzle	Nozzle	Nozzle	Boom			
	Type	MPH	Type	Size	Height	Spacing	Width	GPA	Carrier	PSI
A										
B	BKPK	3.5	FF	8003	18	20	60	20	H20	30

Comments: \* Control of volunteer potato may have been attributed by Colorado Potato beetle.

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							SOLTU	SOLTU	SOLTU	SOLTU*
							ZEAMX	ZEAMX	ZEAMX	ZEAMX
							control	control	control	control
							percent	percent	percent	percent
							6/18/08	6/24/08	7/8/08	8/5/08
							8 DAP	14 DAP	28 DAP	56 DAP
Trt	Treatment	Form	Form	Rate	Grow					
No.	Name	Conc	Type	Rate	Unit	Stg	1	2	3	4
1	Callisto	4	SC	3	fl oz/a	MP	83.3	69.3	98.3	100.0
1	Herbimax		L	1	% v/v	MP				
1	Ammonium Sulfate	100	DF	8.5	lb/100 gal	MP				
2	Laudis	3.5	SC	3	fl oz/a	MP	80.0	70.0	88.3	100.0
2	MSO		L	1	% v/v	MP				
2	UAN 28%		L	1.5	qt/a	MP				
3	Impact	2.8	SC	0.5	fl oz/a	MP	56.7	25.0	83.3	100.0
3	Ammonium Sulfate	100	DF	8.5	lb/100 gal	MP				
4	Status	56	DF	5	oz/a	MP	85.0	48.3	95.0	100.0
4	Activator 90		L	0.25	% v/v	MP				
4	Ammonium Sulfate	100	DF	17	lb/100 gal	MP				
5	Non-Treated						0.0	0.0	50.0	66.7
6	Callisto	4	SC	3	fl oz/a	MP	91.7	81.7	96.7	100.0
6	Atrazine	4	L	1	pt/a	MP				
6	Herbimax		L	1	% v/v	MP				
6	Ammonium Sulfate	100	DF	8.5	lb/100 gal	MP				
7	Laudis	3.5	SC	3	fl oz/a	MP	94.7	81.7	100.0	100.0
7	Atrazine	4	L	1	pt/a	MP				
7	MSO		L	1	% v/v	MP				
7	UAN 28%		L	1.5	qt/a	MP				
8	Impact	2.8	SC	0.5	fl oz/a	MP	90.0	68.3	98.3	100.0
8	Atrazine	4	L	1	pt/a	MP				
8	Ammonium Sulfate	100	DF	8.5	lb/100 gal	MP				
9	Status	56	DF	5	oz/a	MP	90.0	63.3	96.0	100.0
9	Atrazine	4	L	1	pt/a	MP				
9	Activator 90		L	0.25	% v/v	MP				
9	Ammonium Sulfate	100	DF	17	lb/100 gal	MP				
10	Starane	1.5	L	0.66	pt/a	MP	83.3	56.7	83.3	100.0
11	Starane	1.5	L	0.66	pt/a	MP	91.3	72.7	99.3	100.0
11	Atrazine	4	L	1	pt/a	MP				
LSD (P=.05)							10.08	26.37	18.09	29.65
Standard Deviation							5.92	15.48	10.62	17.41
CV							7.69	26.74	11.81	17.95